

## Message Text

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PAGE 01 SANTO 04747 291500Z  
ACTION OES-09

INFO OCT-01 ARA-14 ISO-00 SOE-02 AID-05 CEA-01 CIAE-00  
COME-00 DODE-00 EB-08 DOE-15 H-02 INR-10 INT-05  
L-03 NSAE-00 NSC-05 OMB-01 PM-05 ICA-20 SP-02  
SS-15 STR-07 TRSE-00 ACDA-12 /142 W  
-----004472 300605Z /10

R 291427Z AUG 78  
FM AMEMBASSY SANTO DOMINGO  
TO SECSTATE WASHDC 5854

UNCLAS SANTO DOMINGO 4747

DEPT PASS OES/NET, ATTN CECILE LEDSKY

E.O. 11652: N/A  
TAGS: ENRG, TECH, LDC, DR  
SUBJECT: COST OF ELECTRICITY PRODUCTION USING CONVENTIONAL ENERGY  
SOURCES

REF: STATE 210477

1. PURSUANT TO REFTTEL, EMBASSY HAS RECEIVED THE FOLLOWING INFORMATION FROM THE DOMINICAN ELECTRICITY CORPORATION (CDE) REGARDING ELECTRICITY PRODUCTION COSTS FOR 1977:

COST OF ELECTRICITY FOR AVAILABLE SOURCES IN MILLS (RD\$1.00  
EQUALS U.S.\$1.00) PER KILOWATT HOUR

STEAM \$0.0271

GAS \$0.0569

DIESEL \$0.0664

HYDRO \$0.0230

COST OF ELECTRICITY AS A FUNCTION OF THE USERS REQUIREMENTS:  
\$0.0789.

2. THE MAIN CENTER OF PRODUCTION AND CONSUMPTION IS SANTO DOMINGO, WHERE THE AVERAGE DISTANCE OF TRANSMISSION TO USER IS 10 KILOMETERS. THERE EXISTS OTHER GENERATING CENTERS IN OTHER  
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PAGE 02 SANTO 04747 291500Z

PARTS OF THE COUNTRY BUT OF MUCH SMALLER SIZE. FOR THE DR AS A WHOLE, THE AVERAGE DISTANCE OF TRANSMISSION TO USER IS ESTIMATED AT 90 KILOMETERS.

3. BASED ON ALL PLANTS INSTALLED THROUGH 1977, CAPITAL COST OF GENERATING EQUIPMENT WAS \$176 PPR KILOWATT CAPACITY. HOWEVER, IF THE LATEST INVESTMENTS IN HAINA 3 AND 4 JUST OUTSIDE SANTO DOMINGO

ARE INCLUDED, THE COST INCREASES TO \$200 PER KILOWATT CAPACITY.

4. COST OF MONEY TO PURCHASE CAPITAL EQUIPMENT (FIXED CHARGE RATE):

9.5 PERCENT ANNUALLY. PERCENT OF CAPITAL COSTS TO BE RECOVERED  
PER YEAR: 3 PERCENT.

5. LOAD FACTOR OF GENERATING EQUIPMENT: 64 PERCENT.

6. COST OF FUEL FOR GENERATION: \$0.31 PER GALLON. MEGAWATT  
CAPACITY SUPPLIED BY FUEL:

FUEL MHW GROSS PRODUCTION

STEAM 1,594,763

GAS 282,669

DIESEL 8,806

QUANTITY OF FUEL REQUIRED FOR GENERATING PER YEAR:

YEAR	TOTAL GALLONS	TYPE	TYPE
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1976	129,091,678	72 PERCENT BUNKER C	26 PERCENT GAS OIL
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1977	159,645,151	75 PERCENT BUNKER C	23 PERCENT GAS OIL
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## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 jan 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** COSTS, PRODUCTION, ENERGY, ELECTRIC POWER  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 29 aug 1978  
**Decaption Date:** 01 jan 1960  
**Decaption Note:**  
**Disposition Action:** n/a  
**Disposition Approved on Date:**  
**Disposition Case Number:** n/a  
**Disposition Comment:**  
**Disposition Date:** 01 jan 1960  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
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**Document Unique ID:** 00  
**Drafter:** n/a  
**Enclosure:** n/a  
**Executive Order:** N/A  
**Errors:** N/A  
**Expiration:**  
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**Office:** ACTION OES  
**Original Classification:** UNCLASSIFIED  
**Original Handling Restrictions:** n/a  
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**Reference:** 78 STATE 210477  
**Retention:** 0  
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**Review Event:**  
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**SAS ID:** 1589570  
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**Status:** NATIVE  
**Subject:** COST OF ELECTRICITY PRODUCTION USING CONVENTIONAL ENERGY SOURCES  
**TAGS:** ENRG, TECH, ELEC, DR  
**To:** STATE  
**Type:** TE  
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**Review Markings:**  
Sheryl P. Walter  
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20 Mar 2014  
**Markings:** Sheryl P. Walter Declassified/Released US Department of State EO Systematic Review 20 Mar 2014